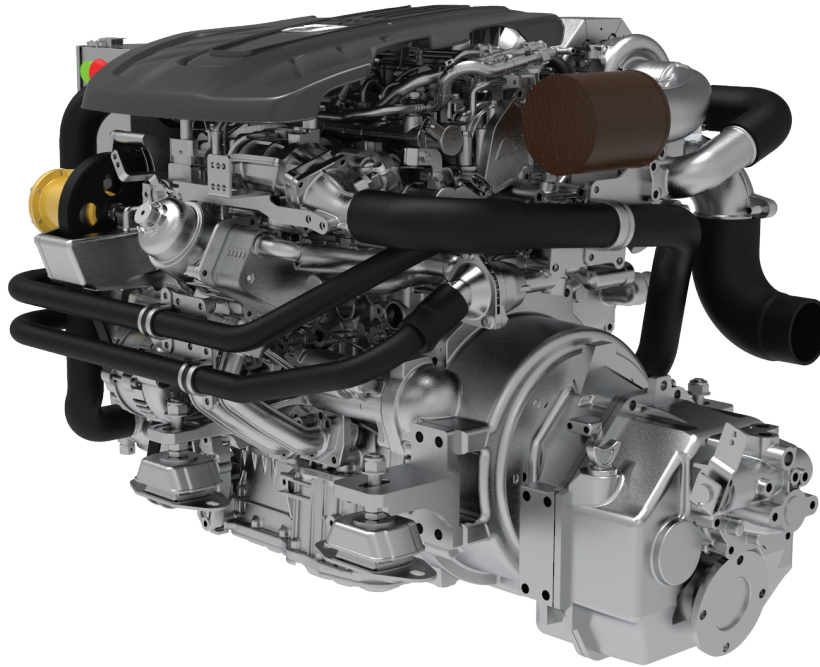


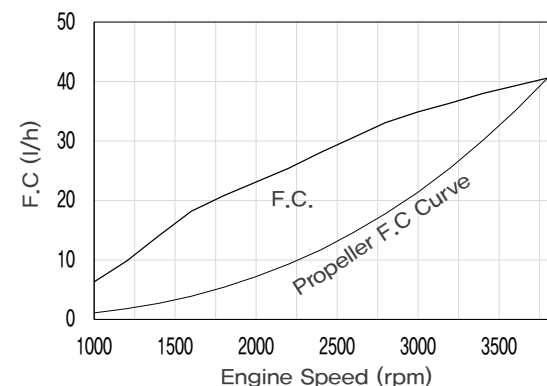
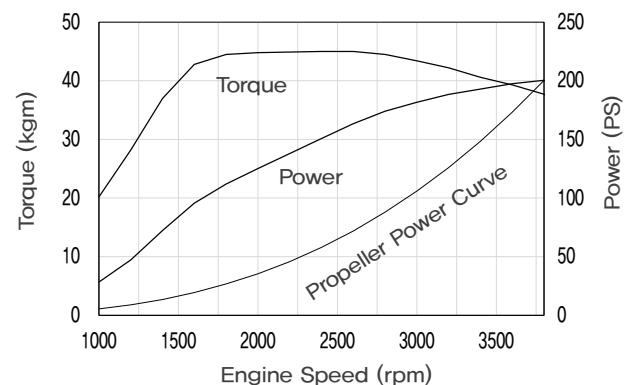
# 200PS

## R200P



### Specifications

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Propulsion System      | Shaftdrive                                                        |
| Engine Duty Rating     | Special Light Commercial (S4)/<br>Pleasure Duty (S5)              |
| Configuration          | 4-Stroke, 16-Valve DOHC,<br>E-VGT with Intercooler, Water Cooling |
| Output [PS (kW)]       | 200 (147)                                                         |
| Rated RPM              | 3,800                                                             |
| Cylinders              | In-line 4                                                         |
| Displacement [cc]      | 2,199                                                             |
| Bore X Stroke [mm]     | 85.4 X 96                                                         |
| Compression Ratio      | 16.0 : 1                                                          |
| Max. Torque            | 44.0 kg · m @ 2,000 rpm                                           |
| Injection System       | Common Rail Direct injection (CRDi)<br>– Solenoid Injector        |
| Alternator             | 12V–150A                                                          |
| Engine Diagnosis       | YES                                                               |
| Max Fuel Consump.[l/h] | 39.9                                                              |
| Dry Weight [kg]        | 280                                                               |
| Flywheel               | Hyundai Unique                                                    |
| Flywheel Housing       | BorgWarner Flange                                                 |



# R200P

## Technical Descriptions

### Engine

- Cast iron engine cylinder block
- Aluminum head
- Oil cooled pistons
- In-line 4, 16-valve DOHC
- Hydraulic lash adjusters
- Intergated water jacket
- Balance shaft
- Drive belt auto a tensioner
- Single serpentine belt system

### Engine Mounting

- Adjustable engine mounts

### Lubrication System

- Electric oil extraction pump
- Easily exchangeable oil filter cartridge
- Seawater cooled transmission oil cooler

### Fuel System

- Common Rail Direct Injection (CRDi)
  - Solenoid injector with 2,000 bar
- Fuel filter with sensor detecting water in fuel
- Dual pressure control valve

### Electrical System

- 12 volt system and 150A alternator
- Auxiliary engine stop button
- Ceramic glow plugs for a trouble
  - free cold start
- NMEA2000 Converter (Optional)
- Electronic control system (Optional)

### Cooling System

- V-ribbed drive belt for seawater pump
- Seawater cooled intercooler, heat exchanger
- Easily exchangeable rubber impeller
- Corrosion resistant material for the seawater circuit

### Turbocharger

- E-VGT, Electrical Variable Geometry Turbocharger

### Engine Operating Indicator (EOI)

- Engine self protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps

### Air Inlet system

- Oil wetted and reusable air filter
- Crankcase gas vented into the air inlet

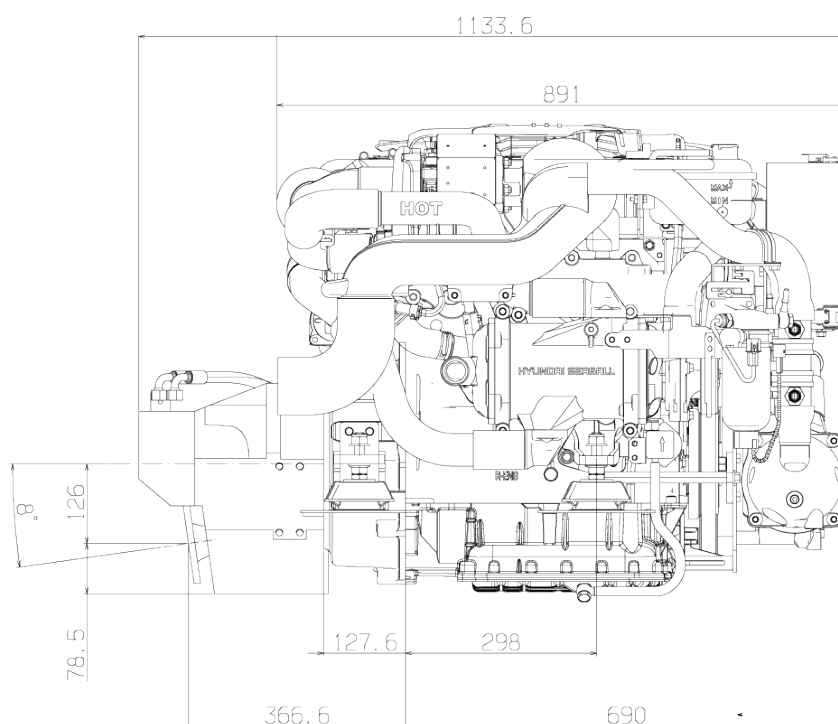
### Exhaust System

- Engine coolant cooled exhaust manifold
- Seawater cooled exhaust elbow

### Emissions

- EPA Tier-III
- IMO Tier-II
- RCD II
- RINA
- (Type Approval – Yacht)

## Dimensions (mm) R200P ZF 45A



(Homepage) (e-Catalogue)



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